

Title (en)

RADIATION SHIELDING GLASS AND METHOD FOR MANUFACTURE THEREOF

Title (de)

STRAHLUNGSABSCHIRMENDES GLAS UND HERSTELLUNGSVERFAHREN DAFÜR

Title (fr)

VERRE ANTIRADIATION ET SON PROCEDE DE FABRICATION

Publication

EP 1939147 B1 20121219 (EN)

Application

EP 06811774 A 20061013

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- JP 2006320501 W 20061013
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- JP 2005303881 A 20051019
- JP 2005303882 A 20051019
- JP 2006104870 A 20060406

Abstract (en)

[origin: EP1939147A1] Provided is a radiation-shielding glass, including a glass composition in % by mass of 10 to 35% SiO₂, 55 to 80% PbO, 0 to 10% B₂O₃, 0 to 10% Al₂O₃, 0 to 10% SrO, 0 to 10% BaO, 0 to 10% Na₂O, and 0 to 10% K₂O, in which the radiation-shielding glass has a total light transmission at a wavelength of 400 nm at a thickness of 10 mm of 50% or higher. Also provided is a radiation-shielding glass which has the similar glass composition and can be used for a gamma-ray shielding glass for a PET examination.

IPC 8 full level

C03C 4/08 (2006.01); **C03C 3/07** (2006.01); **C03C 3/072** (2006.01); **G21F 1/06** (2006.01)

CPC (source: EP KR US)

C03C 3/07 (2013.01 - EP KR US); **C03C 3/072** (2013.01 - EP KR US); **C03C 4/08** (2013.01 - KR); **C03C 4/087** (2013.01 - EP US); **G21F 1/06** (2013.01 - EP US)

Cited by

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